

Kazakhstan. Latitude 48 deg. 36' N. Longitude 60 deg. 13' E. Elevation 230 m. Silty-sand soil, dry waterway, 95km north northeast of Chelkar. Annual precipitation 150mm. Dominant vegetation Artemisia spp., Stipa spp., Agropyron cristatum (where soil moisture is more favorable), Agropyron fragile (on more upland, dry areas), and some miscellaneous shrubs.

PI 598590. *Bromus riparius* Rehmann

Wild. JA-330; VIR U-0134741; K-34878; W6 13188. Collected 01/1993 in Czechoslovakia.

PI 598591. *Bromus erectus* Huds.

Wild. JA-331; VIR U-0134736; K-44131; W6 13189. Collected 01/1993 in Kazakhstan. Collected in Tselinograd Region.

PI 598592. *Bromus inermis* Leyss. ssp. *inermis*

Wild. JA-333; VIR U-0134814; W6 13191. Collected 07/16/1992 in Kazakhstan. Latitude 47 deg. 52' N. Longitude 59 deg. 43' E. Elevation 240 m. Sandy soil, Experiment Station at Chelkar. Annual precipitation 150mm. Dominant vegetation Artemisia terrae-albae, Kochia prostrata, and Agropyron fragile in waste area, clay soil.

PI 598593. *Colpodium humile* (M. Bieb.) Griseb.

Wild. JA-334; VIR U-0134935; W6 13192. Collected 07/19/1992 in Kazakhstan. Latitude 47 deg. 27' N. Longitude 58 deg. 14' E. Elevation 200 m. Along rim of Shagan Valley, upper edge of melted snow field, 110km west-southwest of Chelkar. Annual precipitation 220mm. Dominant vegetation Artemisia terrae-albae, Kochia prostrata, and miscellaneous shrubs.

PI 598594. *Festuca* sp.

Wild. JA-337; VIR U-0134948; W6 13195. Collected 07/18/1992 in Kazakhstan. Latitude 47 deg. 32' N. Longitude 58 deg. 17' E. Elevation 220 m. 90km west-southwest of Chelkar. Annual precipitation 180mm. Dominant vegetation Poa bulbosa, Stipa spp., Agropyron fragile, and Agropyron desertorum.

PI 598595. *Alopecurus arundinaceus* Poir.

Wild. JA-340; VIR U-0134983; W6 13198. Collected 07/28/1992 in Kazakhstan. Latitude 48 deg. 21' N. Longitude 60 deg. 7' E. Elevation 245 m. Low area where water had previously collected and dried up, heavily grazed, 68km north northeast of Chelkar. Annual precipitation 150mm. Dominant vegetation Stipa and shrubs (Artemisia terrae-albae), Bromus inermis and Agropyron cristatum in protected areas, Agropyron fragile on harsh sites.

PI 598596. Unident-Poaceae sp.

Wild. JA-345; VIR U-0134929; W6 13203. Collected 07/20/1992 in Kazakhstan. Latitude 47 deg. 4' N. Longitude 58 deg. 1' E. Elevation 220 m. Silty clay soil, Shagan Valley, 170km southwest of Chelkar. Annual precipitation 180mm. Dominant vegetation Artemisia terrae-albae, Agropyron desertorum and A. fragile.

PI 598597. *Stipa tirsa* Steven

Wild. JA-348; VIR U-0134900; W6 13206. Collected 07/29/1992 in